



Sidecar for Bicycle

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SUMMARY

In this case, it's attached to my electric bike, but it will also work for a normal bicycle as well.

You will need:

1 bicycle 1 rear triangle of a bicycle with the same wheel size as your bike. I used a hacksaw to cut out this triangle from a bike I found in the dump truck. 2 similar cargo racks bolted to both bike and triangle. about 6-7 square feet of 1/2" Baltic Birch plywood.

Step 1 — Sidecar for Bicycle



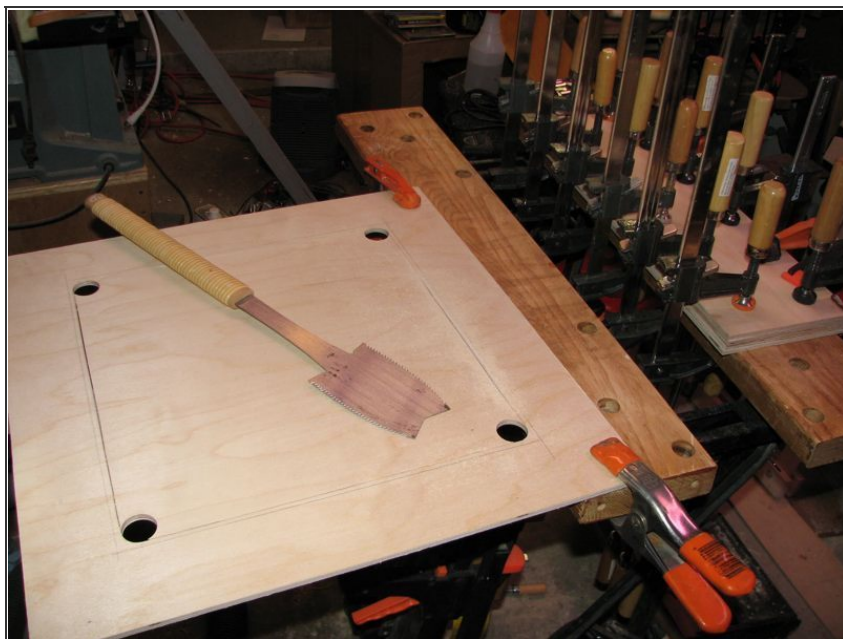
- You'll need to buy a couple of decent-quality cargo racks, the kind that has 3 or 4 mounting points. It helps if they are the same model/brand.

Step 2



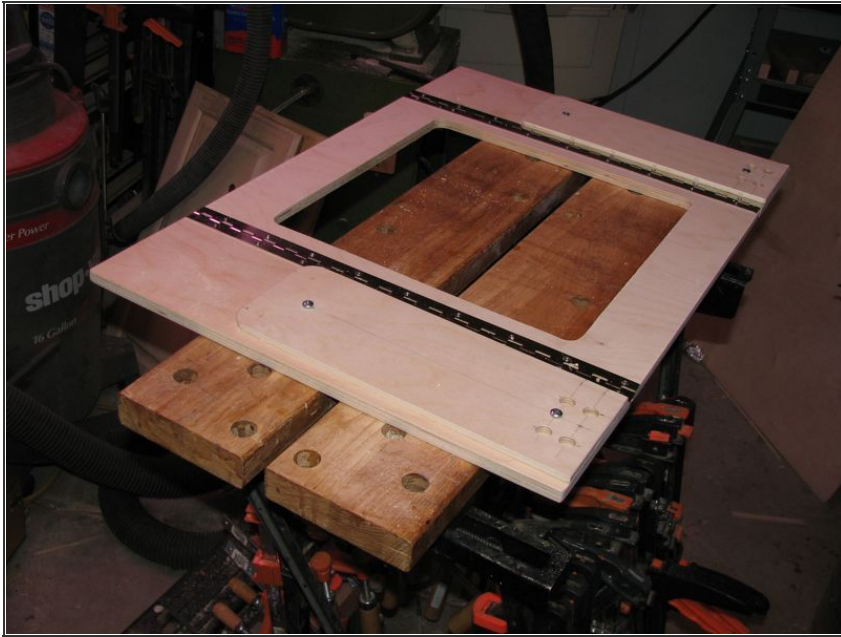
- One of the racks will be mounted to your bike. This particular bicycle is electric-powered, but a regular bicycle will work just fine.
- The second rack will be mounted on the rear triangle of a donor bicycle. The rear triangle is cut out from the frame with a hacksaw.
- The sidecar is essentially made by connecting the two cargo racks together.

Step 3



- The top connecting piece is made from good-quality Baltic Birch, 1/2" thick. I used a handsaw to cut out the square opening, which was then discarded.

Step 4



- Two wings, also made from the same birch plywood, are then cut out and all three pieces are connected via piano hinges.

Step 5



- The wing pieces are then bolted securely to the top of the cargo racks.

Step 6



- A crossbar, also from birch ply, is then connected to the lower part of the cargo racks.

Step 7



- The crossbar is bolted on using a pair of these handy clamps. This one has a 1/2" capacity.

Step 8



- Here is the finished product, minus the milk crate I used to carry things around.

Step 9



- The finished product. Here are a couple of YouTube videos:
- [This video](#) shows the finished product.
- [This video](#) shows the bike rolling. Note the milk crate; very handy.

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